



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

though not to its mouth, revealed no more stations for it. The stems were of unusual size, the longest noted 40 cm. long, but commonly 15–30 cm. Examples of this were likewise sent to M. Cardot, who stated in a letter that similar robust forms had been sent by Cheney from northern Wisconsin. The leaves were about the same in size as those from the type locality at Romeo, entire or slightly denticulate at the point. The stems are much divided, a single one when separated from the mass and floated so as to display its form showing a surprising number of branches to be held by the hair-like basal part. The longest and most divided were found in the most rapid current. In cross-sections the stem is broadly oval, the shorter diameter commonly from 0.2–0.4 mm., the longer from 0.25–0.55 mm. The rind is of dark brown, very thick-walled cells, their lumen often nearly closed or entirely disappearing, the outermost cells usually the more open ones. The ground-tissue consists of large, thin-walled, open cells, tinged with yellow. The central strand is lacking, or none was found as far as examined. The stem seems well constructed to bear longitudinal strain, and to yield to compression laterally as it waves about in the running water. It generally curves a little at the base so as to bring it parallel with the surface of the substratum, sometimes as much as a centimeter. This portion is also densely covered with brown rootlets, 18–30 μ in diameter, by means of which it holds to the stone. In some cases it is reenforced by one or two short branches, covered like the end of the main stem with rootlets, in this way forming a kind of foot to anchor it. Since several stems, when growing in such masses, generally start from closely adjacent points, their interlocking basal parts form a meshwork resembling a felty disk when removed from the rock, in this manner doubtless aiding one another in maintaining their hold.

From all at present known, *F. Umbachii* is of northern distribution, being found in the region of the upper Great Lakes and adjacent parts of the basin of the Mississippi. Even the localities of the three stations near Chicago may date from the time when they made a part of the lake system, and the upper lakes were drained southward through the Chicago outlet.

CHICAGO, ILLINOIS.

SULLIVANT MOSS SOCIETY

Report of the President

The President is able to report a continued interest in the work of the Sullivan Moss Society on the part of its members. Under the careful editorship of Dr. O. E. Jennings, the *BYOLOGIST* has maintained the high degree of excellence which the Society has been led to expect. The current volume, exclusive of the index, numbers 95 pages and is, therefore, of the same size as the preceding volume. Twenty-five original articles and two obituary notices have been published during the year; the illustrations include thirteen plates and seventeen figures in the text. Of the original articles seven relate to the mosses, seven to the hepatics, and eleven to the lichens. The articles on the mosses were written by seven different contributors, those on the hepatics by five, and those on the lichens by four. These figures, if compared with the corresponding

figures of 1913, show an increased interest in the hepatics and lichens and a slightly diminished interest in the mosses. The President renews his congratulations to the Society and predicts that the work accomplished will continue to increase in importance.

ALEXANDER W. EVANS, *President*.

NEW HAVEN, CONNECTICUT.

Report of the Secretary-Treasurer

During the past year the following new members have been added to our lists: Mr. E. T. Cresson, Jr., Academy of Natural Sciences, Philadelphia, Pa.; Mr. Roy S. Latham, Orient, N. Y.; Mrs. J. F. Merrill, Northwood Narrows, N. H.; Miss Mildred Nothnagel, Botanical Hall, University of Chicago, Chicago, Ill.; Prof. Fermen L. Pickett, 610 California Avenue, Pullman, Wash.; Miss Edith Seymour, 23 Agassiz Avenue, Waverley, Mass.; Dr. Victor Sterki, New Philadelphia, Ohio; Mr. E. C. Wurzlów, Box 656, Houma, Terrebonne Parish, La.

There has been a loss of six members, through death or withdrawal, during the past year, making the active membership of the Society at present one hundred thirty-seven.

Through the columns of the *BRYOLOGIST* there have been offered twenty species or varieties of lichens, nineteen of mosses, and six of hepatics. There is, however, an apparent decrease in the demand for offerings, a decrease which does not seem in any way to be correlated with the kind of material, whether common or rare. The Secretary cannot urge too strongly upon the members the advantages of the opportunity presented to them of securing rare or interesting specimens for their herbaria, at a minimum of trouble and expense.

The Secretary also urges members and others to contribute to the columns of the *BRYOLOGIST* short notes, observations, and queries. Each member can surely find some one thing in the course of a year that will be of interest to others. Notes upon the time of fruiting, unusual habitats, abnormal abundance, all furnish material for notes. Short articles of especial interest to beginners will be especially welcomed.

The financial statement appended below shows a considerable increase in expense over former years, due in large part to the increase in the number of plates and to certain typographic difficulties. It is hoped that such difficulties may be avoided in the future. There has been a gratifying increase in the sale of sets of the magazine. Those who have not complete files are urged to secure them at an early date, especially the volumes I-VIII, which contain the detailed articles for the help of those who wish to begin the study of mosses, hepatics, or lichens.

Summary of Accounts

RECEIPTS

Balance on hand, Dec. 1, 1913	\$109.15
Dues for current year	208.38
Subscriptions for current year	64.38

Arrears collected, dues and subscriptions.....	12.39
Sales of back numbers, files etc.....	107.95

\$502.05

EXPENDITURES

Bank fees.....	\$2.32
Messrs. Peckham and Little, printing and stationery.....	4.20
Postage.....	11.88
Express on shipments of the BRYOLOGIST.....	2.34
Dr. H. E. Hasse, herbarium expenses.....	6.90
Pittsburgh Photo-Engraving Co., plates	68.75
Intelligencer Printing Co., 7 issues BRYOLOGIST, and Index.....	363.16

\$461.13

Cash on hand at close, Nov. 30, 1914.....	40.92
---	-------

\$502.05

Respectfully Submitted,

EDWARD B. CHAMBERLAIN *Secretary-Treasurer*

Report of the Curator of the Moss Herbarium for 1914

During the past year 343 specimens have been mounted in the Moss Herbarium of the Sullivant Moss Society, adding 15 species and varieties new to the herbarium, which now contains 3,803 specimens, representing 1,160 species and varieties belonging to 253 genera.

Dr. H. S. Jewett has sent valuable collections from Ohio, while other contributors have been: E. Corti, Max Fleischer, A. H. Brinkman, H. E. Hasse, H. Dupret, S. C. Hood, Helen E. Greenwood, Mrs. E. L. Horr, S. H. Burnham, W. Gray, D. L. Dutton, F. L. Pickett, I. Hagen, Roy Latham, E. M. Dunham, Daisy J. Levy, and Brother Victorin. The Curator thanks these and all other members who have co-operated in building up the herbarium and earnestly solicits renewed activity in collecting, correspondence, and exchange during the ensuing year.

GEORGE B. KAISER, *Curator*.

GERMANTOWN, PA., DEC. 1, 1914.

Report of the Hepatic Department for 1914

Two hundred and eight specimens, representing ninety-five species, have been placed this year in the Hepatic Herbarium. These specimens were given by Miss A. Lorenz, Miss C. C. Haynes, Miss H. E. Greenwood, Dr. A. W. Evans, Dr. A. F. Krout, Dr. N. S. Young, A. S. Foster, Roy Latham, Bro. Victorin, Rev. D. Lillie, and Stewart H. Burnham. The Brinkman collections from N. W. Canada, of which several hundred specimens still remain, are not quite ready to be included in the report this year. Among the material submitted were the following new or rare species:

Riccia Lescuriana, *Ricciella membranacea*, *Oxymitra androgyna*, *Notothylas orbicularis*, *Calypogeia Sullivantii*, *C. suecica*, *Cephaloziella papillosa*, *C. Francisci*, *Chiloscyphus pallescens*, *Lophozia Marchica*, *L. Binsteadii*, *Plagiochila*

Zachuapana, *P. dubia*, *Nardia Geoscyphus*, *Fossombronia Wondraczeki*, *Pellia Fabroniana*, *Pallavicinia Flotowiana*, and *Metzgeria pubescens*.

Will the members interested in the hepatics help the Curator during 1915 to acquire as complete a representation of North American species as possible? Few realize that the Herbarium still lacks 110 of the species listed in the Society "Exchange List." Some of the species, it is true, are rare and known only from a single collection, like *Jungermannia danicola* and *J. Bolanderi*, but surely there are many on the list given below of species desired, which could be found anew, or specimens already possessed could be divided and given to the Herbarium. Some of these species are represented in the Herbarium by European material, but none from North America. This is a real need. The following species are desired:

Riccia albidia, *R. californica*, *R. Campbelliana*, *R. Catalinae*, *R. dictyospora*, *R. hirta*, *Corsinia marchantioides*, *Sauteria alpina*, *Plagiochasma Wrightii*, *Grimaldia californica*, *Asterella Bolanderi*, *A. echinella*, *A. elegans*, *A. fragrans*, *A. Lindenberghiana*, *A. violacea*, *Marchantia disjuncta*, *M. aquatica*, *Thallocarpus Curtisii*, *Sphaerocarpus cristatus*, *S. texanus*, *Geothallus tuberosus*, *Riella americana*, *Metzgeria myriopoda*, *M. angusta*, *M. uncigera*, *Pallavicinia Blyttii*, *Fossombronia cristula*, *F. angulosa*, *Gymnomitrium coralloides*, *G. crenulatum*, *Marsipella sparsifolia*, *Nardia Lescurii*, *Jungermannia biformis*, *J. Bolanderi*, *J. danicola*, *J. fossombronioides*, *Anastrophyllum Reichardtii*, *Lophozia Wenzelii*, *Mesoptychia Sahlbergii*, *Sphenolobus saxicola*, *Plagiochila Smallii*, *P. virginica*, *Clasmatocolea exigua*, *Lophocolea Leiboldii*, *Chiloscyphus Webberianus*, *C. fragilis*, *Cephalozia elegans*, *Prinolobus Turneri*, *Odontoschisma Sphagni*, *O. Macounii*, *O. Gibbsiae*, *Calypogeia acuta*, *C. arguta*, *C. fissa*, *Anthelia julacea*, *Diplophyllia argentea*, *D. imbricata*, *Scapania americana*, *S. convexula*, *S. irrigua*, *S. Evansii*, *S. gracilis*, *S. heterophylla*, *S. intermedia*, *S. uliginosa*, *Radula Hallii*, *R. Lescurii*, *R. Sullivantii*, *Porella Swartziana*, *P. wataugensis*, *Cololejeunea setiloba*, *C. minutissima*, *C. Macounii*, *C. diaphana*, *Displasiolejeunea Rudolphiana*, *Lejeunea patens*, *L. pilibota*, *L. spinulosa*, *Microlejeunea Ruthii*, *M. Cardoti*, *Thelejeunea obtusangula*, *Leucolejeunea xanthocarpa*, *Rectolejeunea Berteroana*, *R. Brittoniae*, *Cheilolejeunea decida*, *C. polyantha*, *Ceratolejeunea cubensis*, *Brachiolejeunea bahamensis*, *B. corticalis*, *Lopholejeunea Muelleriana*, *Caudalejeunea Lehmanniana*, *Leucolejeunea unciloba*, *Frullania cobrensis*, *F. arietina*, *F. Donnellii*, *F. chilcootiensis*, *F. gibbosa*, *F. Kunzei*, *F. saxicola*, *F. Wrightii*, *F. cucullata*, *Notothylas Breutelii*, *Anthoceras carolinianus* var. *occidentalis*, *A. crispulus*, *A. Hallii*, *A. Macounii*, *A. phymatodes*, *A. Ravenelii*, and *A. fusiformis* var. *stomatifer*.

GEO. H. CONKLIN.

SUPERIOR, WISCONSIN, Dec., 1914.

Report of the Lichen Department for 1914

The prosperity in this department set forth in the reports of former curators has happily not abated during the past year, due to generous contributions of material received from various members. Prof. O. E. Jennings sent valuable specimens from Ontario, Canada, collected by himself, Grace K. Jennings, and

R. H. Daily. Mr. S. Rapp has, as usual, sent interesting Florida lichens, likewise Mr. E. C. Wurzlów from Louisiana; the Northwest and North have been well represented by Prof. A. S. Foster and Bro. Victorin, as also the East by Messrs. L. D. Dutton, Frank Dobbin, R. Latham, G. B. Kaiser, and E. B. Chamberlain. Miss Mary F. Miller added a good number of named species, also Charles C. Plitt. From Scotland and England Mr. P. G. M. Rhodes and Rev. D. Lillie must be mentioned with good donations, while the present curator is immodest enough to record himself with European and Mexican species, as also native Californian, a number of which are new. The number of specimens received for identification is 492; these, with the exception of a number from Mr. S. Rapp that await a more critical investigation, have been named. The number now mounted in the herbarium is 2817. Attention is called to a fair amount of duplicates on hand available to members (for postage) or as exchanges to others. Exchanges with foreign Lichenists is desirable. In this connection it is begged to remark that in collecting, only complete, well developed, representative, and when possible, fruiting specimens, should be selected, since they represent not only the Society, but also the collector in exchanges.

H. E. HASSE, *Curator*.

SANTA MONICA, CALIFORNIA.

Report of Election of Officers for the Year 1915

Whole number of votes cast, 11.

For President—Dr. A. W. Evans received 11 votes.

For Vice-President—Mrs. Annie Morrill Smith received 11 votes.

For Secretary-Treasurer—Mr. E. B. Chamberlain received 11 votes.

Dr. Evans, Mrs. Smith, and Mr. Chamberlain are, therefore, elected to the offices designated for the ensuing year.

Respectfully submitted,
J. FRANKLIN COLLINS, *Judge of Elections, S. M. S.*

EXCHANGE DEPARTMENT

Offerings— To Members Only, for Stamped Self-Addressed Envelope.

Miss Helen E. Greenwood, 5 Benefit Terrace, Worcester, Mass.—*Porella pennata* L., from Worcester, Mass.

Geo. H. Conklin, M. D., 1204 Tower Ave., Superior, Wisconsin.—*Lophozia incisa* (Schr.) Dumort., from Lutsen, Cook County, Minnesota.

Dr. O. E. Jennings, Carnegie Museum, Pittsburgh, Pa.—*Hymenostylium curvirostre* (Ehrh) Lindb., from near Pittsburgh, Pennsylvania.

Dr. H. E. Hasse, Santa Monica, Cal.—*Dirina Hassei* A. Zahlbr., from California.